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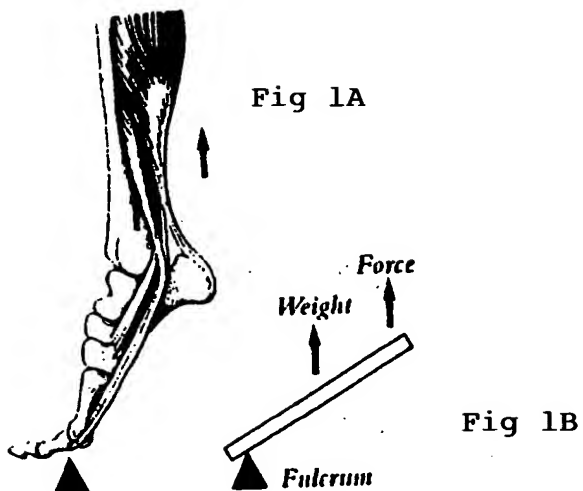
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LEVER SYSTEMS

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IN A SECOND CLASS LEVER, THE WEIGHT LIES BETWEEN THE FORCE AND THE FULCRUM. THE ACTION OF RAISING THE HEEL FROM THE GROUND IS AN EXAMPLE OF THIS TYPE OF SYSTEM IN THE BODY. THE CALF MUSCLES ARE THE FORCE TO LIFT THE BODY WEIGHT, THE HEEL AND MOST OF THE FOOT FORM THE LEVER, AND THE METATARSAL PHALANGIAL JOINTS PROVIDE THE FULCRUM.



FOOT. SKELETAL SYSTEM

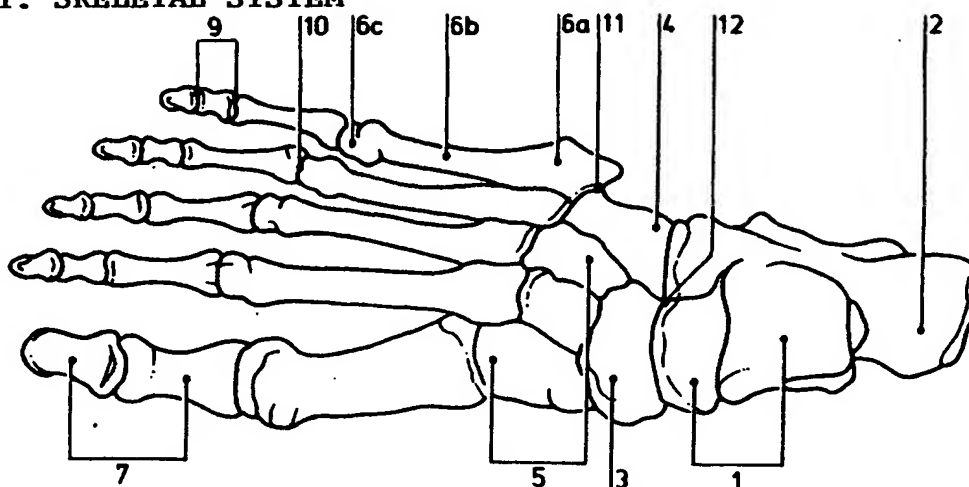


Fig 2A

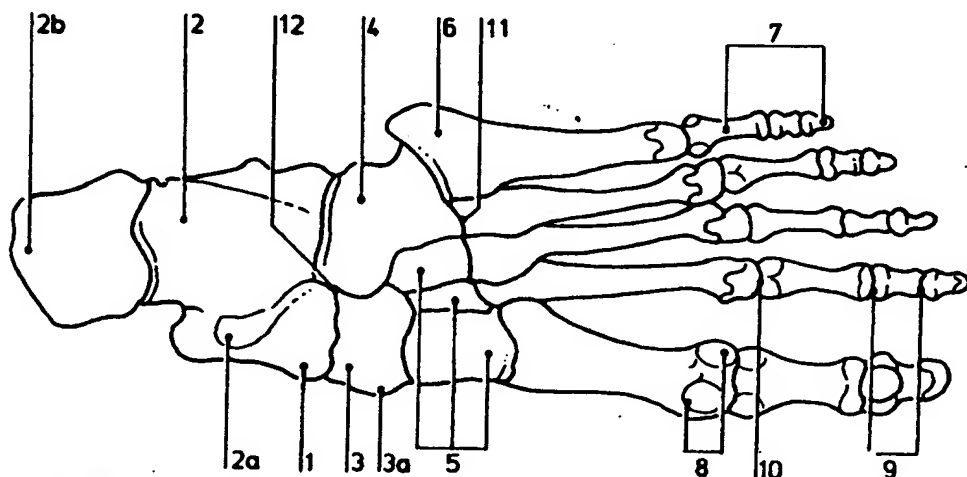


Fig 2B

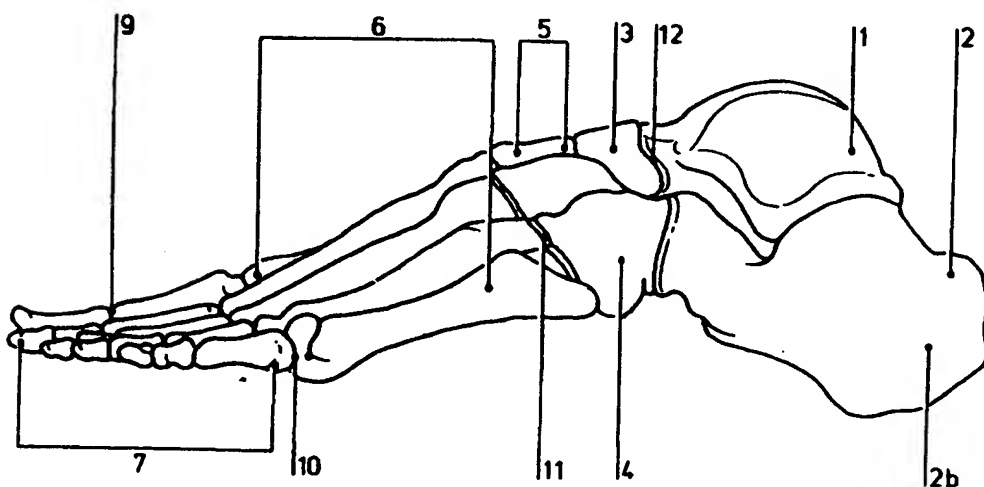


Fig 2C

- | | | | |
|----|----------------|----|-----------------|
| 2 | CALCANEUS | 4 | CUBOID |
| 2B | TUBER CALCANEI | 5 | CUNEIFORM BONES |
| 6 | METATARSALS | 3 | NAVICULAR |
| 6A | BASE | 11 | TARSAL JOINTS |



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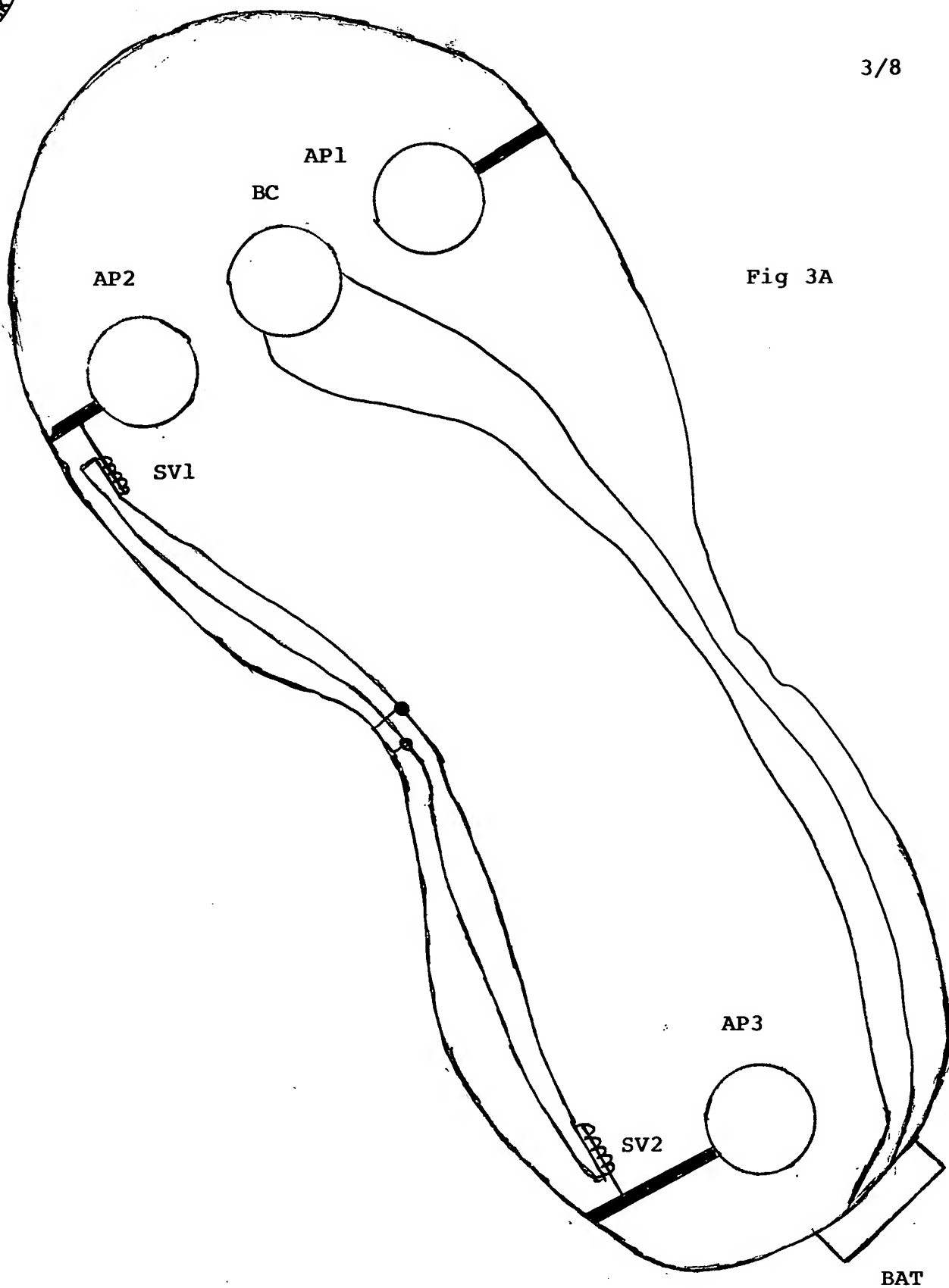
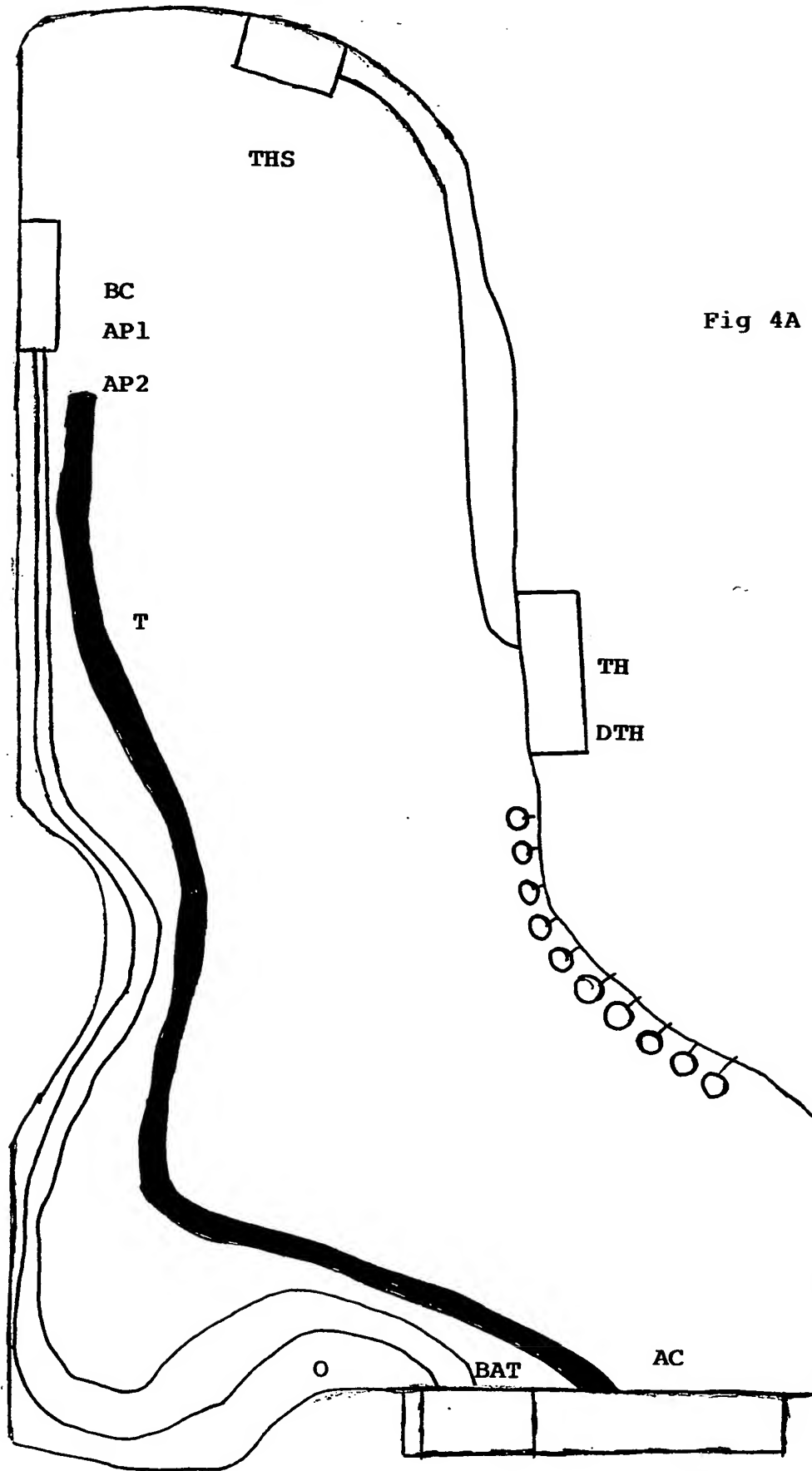


Fig 3A

BAT



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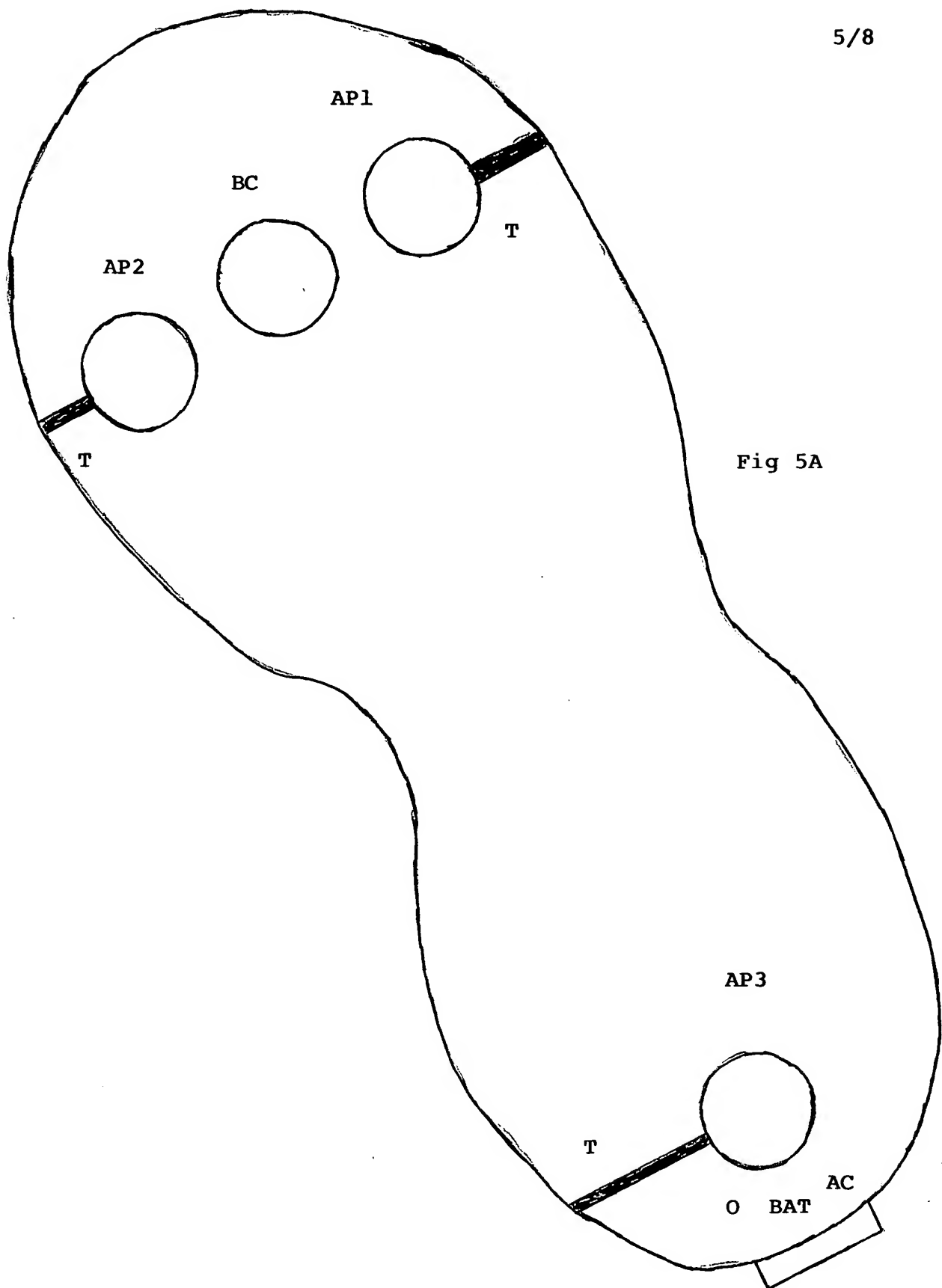


Fig 6A

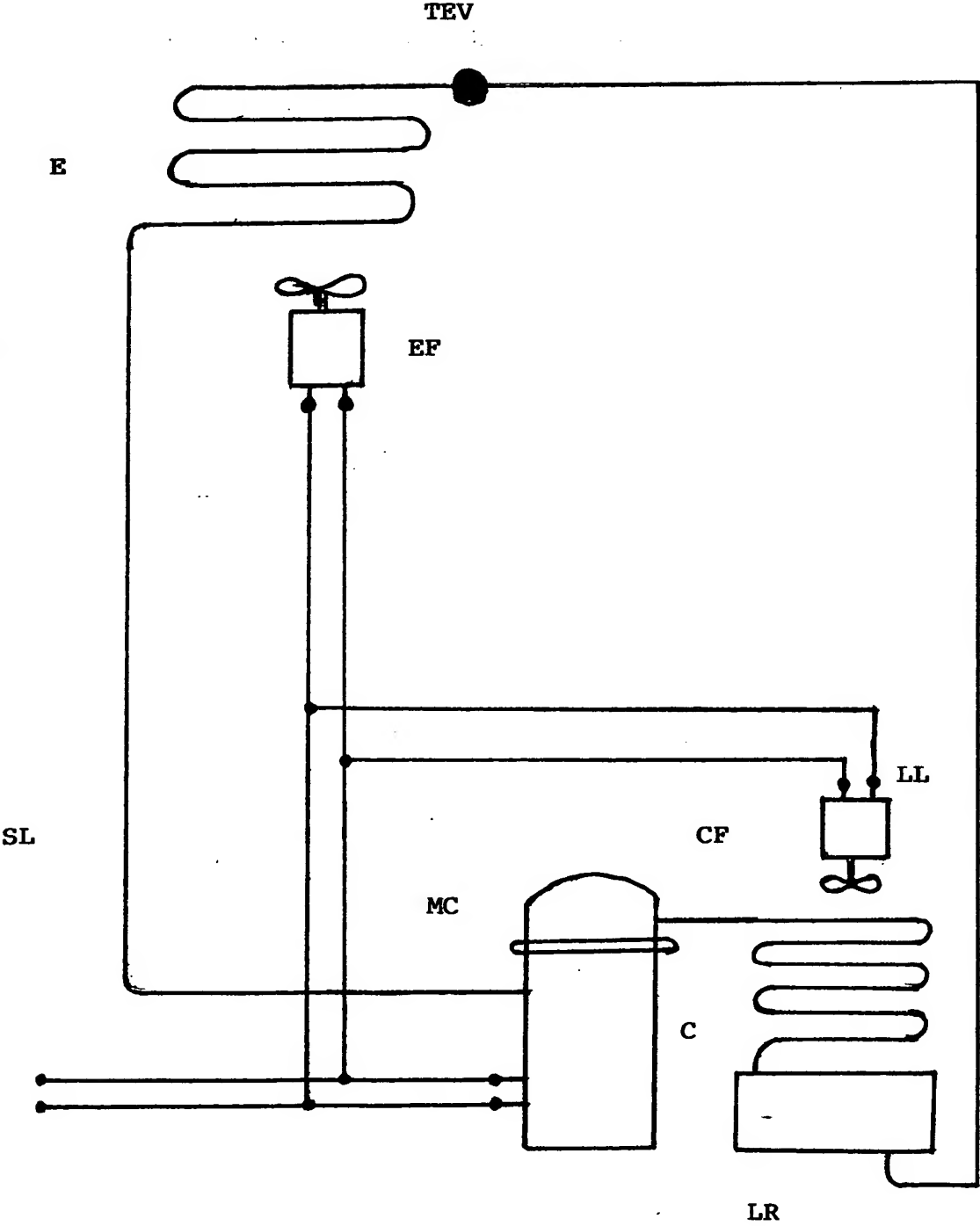
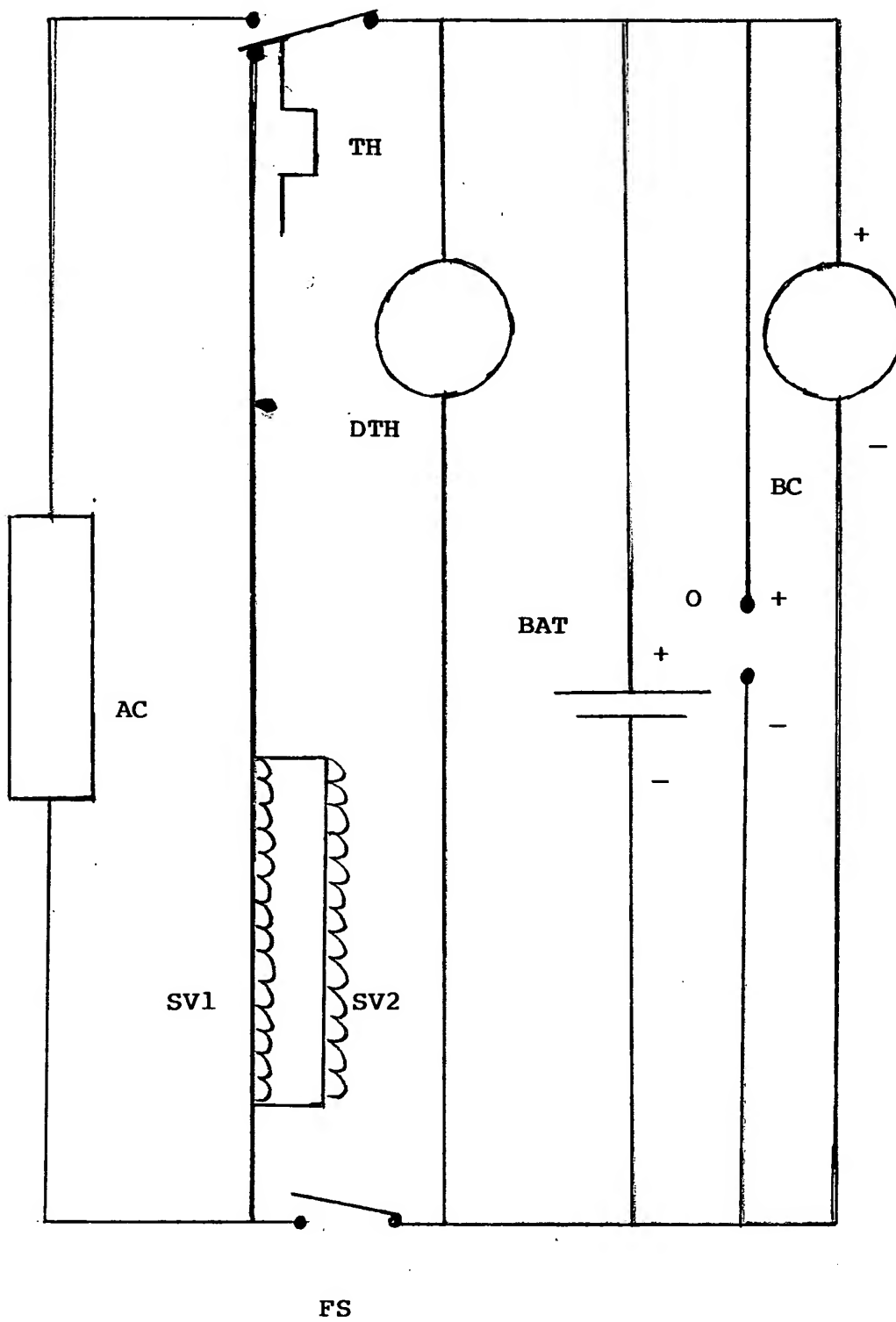


Fig 7A



AIR PUMP

